

Water Supply

WYOMING DEPARTMENT OF AGRICULTURE ANALYTICAL SERVICES

1174 Snowy Range Road

Laramie, WY 82070

Internet: http://wyagric.state.wy.us/aslab/aslab.htm

Phone: (307)-742-2984 E-mail: aslab@missc.state.wy.us

Development Series

ANALYTICAL REPORT

				Lab Number:		
•				Date Collected:		
				Date Received:		
				Date Completed:		
				Purchase Order	No:	
Phone No	o :			WDA Invoice No		
FAX No:				Amount Due: \$		S
Sample ID:			Amount Paid: \$			
Analysis:		Development S	Series	Net 30 Days, Payable to	o: Wyoming Depa	rtment of Agricultur
	LYTE	UNITS	RESULT	ANALYTE	UNITS	RESULT
Calions				Anons	and the second of the second	
Calcium		mg/L	2.0	Carbonate	mg/L	27
Magnesiu	ım	mg/L	1.0	Bicarbonate	mg/L	550
Sodium		mg/L	400	Chloride	mg/L	29
Potassiur	n	mg/L	1.4	Fluoride	mg/L	1.9
Metals				Nitrate as N	mg/L	<0.1
Copper		mg/L	0.005	Nitrite as N	mg/L	<0.1
Iron		mg/L	0.07	Sulfate	mg/L	390
Lead		mg/L	<0.001	TDSbySummation	mg/L	1100
Mangane	se	mg/L	0.008			
Zinc		mg/L	0.007	T. Alk. as CaCO3	mg/L	496
	alytes			Hardness as CaCO3	mg/L	9
рН		pH Units	8.7	Corrosivity		1.14
Conductiv	vity	umhos/cm	1800			non-aggressive
Ref.		Analyte		Method	Units	Result
1						
2			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
3						
4						

I hereby certify that the above sample was analyzed by myself or my assistant.

Section Supervisor

Xm millen

Kenneth L. McMillam, State Chemist/Lab Manager



Wyoming Department of Agriculture Analytical Services

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Evaluation of Analysis - Human Consumption

Total Coliform	Not Determined	Fluoride level, EPA Std Sui	table
		Level for good dental health - Hig	ıh
Total Dissolved Solids	Suitable	Discuss Fluoride levels with your der	
Sulfate	Suitable		table
Hardness as CaCO₃	Soft	Iron Sui	table
Nitrate + Nitrite as N	Suitable	Lead Sui	table
Sodium	Unsuitable	Manganese Sui	table
		Zinc Sui	table

Evaluation of Analysis - Livestock Consumption

Total Dissolved Solids	Suitable	Sulfate	Suitable

Evaluation of Analysis - Lawn & Garden Irrigation

SAR (sodium Hazard)	Unsuitable	Conductance, umhos/cm	Unsuitable

Your water, Lab No: <u>0</u>	has an overall classification for the
stated purpose, as follows:	
No Evaluated	for human consumption - Bacteria Only
	* for human consumption - Chemistry Only
Sultable	a for livestock consumption as a state of the state of th
Unsultable	for lawn and garden irrigation
 Based on Total Dissolved Solids, Sulfate Minimum Standard for the transfer of run 	

DS Anal



OVERALL =

0.021996

Wyoming Department of Agriculture **Analytical Services**

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,						
SUPPLY DEVELOPMENT WATER QUALITY ANALYSIS						
Date Received	i:	00-Jan - 00	Lab No:	0		
CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L	
Calcium	2.0	0.10	Carbonate	27,0	0.90	
Magnesium	1.0	0.08	Bicarbonate	550.0	9.01	
Sodium	400.0	17.40	Chloride	29.0	0.82	
Potassium	1.4	0.04	Fluoride	1.9	0.10	
			Nitrate as N	0.0	0.00	
			Nitrite as N	0.0	0.00	
		:	Sulfate	390.0	8.12	
T. CATIONS		17.61	T. ANIONS		18.95	
Conductance,		1800	SAR (sodium h		57.66	
TDS by Summation	on, mg/L	1122	T Alk CaCO ₃ , mo		496	
pH, Units		8.7	Hardness as Cat		9	
Total Coliform			Hardness as CaCO ₃ , gr/gal 1			
Metal	Units	Result	EPA Limit			
Metal Copper	Units mg/L	Result 0.005	EPA Limit 1.3			
	mg/L mg/L	0.005 0.07				
Copper Iron Lead	mg/L mg/L	0.005 0.07 <0.001	1.3			
Copper Iron Lead Manganese	mg/L mg/L mg/L mg/L	0.005 0.07 <0.001 0.008	1.3 0.3 0.005 0.05			
Copper Iron Lead	mg/L mg/L mg/L	0.005 0.07 <0.001	1.3 0.3 0.005			
Copper Iron Lead Manganese	mg/L mg/L mg/L mg/L mg/L	0.005 0.07 <0.001 0.008 0.007	1.3 0.3 0.005 0.05			
Copper Iron Lead Manganese	mg/L mg/L mg/L mg/L mg/L	0.005 0.07 <0.001 0.008 0.007 ERROR C	1.3 0.3 0.005 0.05 5.0 CHECKING		3.66	
Copper Iron Lead Manganese Zinc	mg/L mg/L mg/L mg/L mg/L	0.005 0.07 <0.001 0.008 0.007	1.3 0.3 0.005 0.05 5.0 CHECKING	· =	3.66 (<5%)	
Copper Iron Lead Manganese Zinc	mg/L mg/L mg/L mg/L mg/L	0.005 0.07 <0.001 0.008 0.007 ERROR Cons - meq/L attions + meq/	1.3 0.3 0.005 0.05 5.0 CHECKING nions)]*100 L anions)	==		
Copper Iron Lead Manganese Zinc % ERROR =	mg/L mg/L mg/L mg/L mg/L (meq/L cati	0.005 0.07 <0.001 0.008 0.007 ERROR Cons - meq/L attions + meq/	1.3 0.3 0.005 0.05 5.0 CHECKING nions)]*100 L anions)		(<5%) 0.61	
Copper Iron Lead Manganese Zinc % ERROR =	mg/L mg/L mg/L mg/L mg/L mg/L (meq/L cati (meq/L cati (meq/L cati	0.005 0.07 <0.001 0.008 0.007 ERROR Cons - meq/L attions + meq/	1.3 0.3 0.005 0.05 5.0 SHECKING nions)[*100 L anions)		(<5%) 0.61	

MAX. OVERALL ALLOWED =

0.0531